


DEFENSE INFORMATION SYSTEMS AGENCY
Interoperability Directorate, 5600 Columbia Pike, Falls Church, VA 22041-2717
SYMBOLGY STANDARDS MANAGEMENT COMMITTEE DIRECTIVE

SSMC NO: 2-03		Date: July 24, 2003																																									
CP No: MIL03-09		Title: Harmonization of Affiliation Data Items FAKER and JOKER																																									
Originator, Name and Address: NCTSI																																											
SSMC Action: <input type="checkbox"/> Approved <input checked="" type="checkbox"/> Approved with Changes <input type="checkbox"/> Withdrawn <input type="checkbox"/> Deferred <input type="checkbox"/> Declared Substantive By: <input type="checkbox"/> Disapproved <input type="checkbox"/> Testing Required <input type="checkbox"/> Prior to Decision <input type="checkbox"/> Subsequent to Decision <input type="checkbox"/> Allied Coordination Required Votes Cast/Proposed Change <table style="width: 100%; border: none;"><thead><tr><th style="text-align: left;">Approve</th><th style="text-align: left;">Disapprove</th><th style="text-align: left;">Abstain</th><th style="text-align: left;">N/A</th><th></th></tr></thead><tbody><tr><td><input checked="" type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td>USA</td></tr><tr><td><input checked="" type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td>USN</td></tr><tr><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input checked="" type="checkbox"/></td><td>USMC</td></tr><tr><td><input checked="" type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td>USAF</td></tr><tr><td><input checked="" type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td>NIMA</td></tr><tr><td><input checked="" type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td>DIA</td></tr><tr><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td>DISA</td></tr></tbody></table>		Approve	Disapprove	Abstain	N/A		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	USA	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	USN	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	USMC	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	USAF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NIMA	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	DIA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	DISA	Decision: Approved with changes. See CP MIL03-09 for changes.	
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		Chairperson <div style="text-align: center;"> (Signature)</div>																																									

SYMBOLGY CONFIGURATION MANAGEMENT CHANGE PROPOSAL FORM			
CHANGE PROPOSAL NUMBER		MIL03-09	
ORIGINATOR	SPONSOR	DATE RECEIVED	DATE OF ACTION
NCTSI	NAVY	April 15, 2003	July 24, 2003
CHANGE PROPOSAL TITLE			
Harmonization of Affiliation Data Items FAKER and JOKER with MIL-STD-6016 and STANAG 1241			
SUGGESTED CHANGE			
<p>1. <u>Statement of the Problem:</u></p> <p>MIL-STD-2525B, Table I, Affiliation Axis does not match allowable entries of MIL-STD-6016 and STANAG 1241.</p> <p>2. <u>Problem Analysis:</u></p> <p>JMTCCB 02-2 tasked USAF to develop a Change Proposal (CP) aligning MIL-STD-2525 "Affiliation" field with MIL-STD-6016/STANAG 1241 "Identity" field. The USAF could not comply due to contractual conflicts therefore the Navy volunteered to sponsor this CP.</p> <p>VMF messages are generally transmitted with the MIL-STD-2045-47001 Application Header. A VMF message may be transmitted with the Application Header Operation Indicator field set to "Exercise" and the "Identity, VMF" field in the message set to "Hostile" creating "Exercise Hostile" or "Faker". If the message were to be relayed using a different header, "Exercise Hostile" could become "Hostile" without having an exercise indicator.</p> <p>The MIL-STD-6016, DFI/DUI 376/007 Identity and DFI/DUI 376/001 Identity Amplifying Descriptor are based on the NATO STANAG 1241.</p> <p>Several years ago the general consensus of the VMF community was to align its symbology codes to MIL-STD-2525. However, VMF as a member of the family of J-series messages, should have harmonized with STANAG 1241 rather than MIL-STD-2525.</p> <p>The proposed solution adds a new field, Exercise Amplifying Descriptor, which mimics the Affiliation field data items with the added prefix "Exercise".</p> <p>3. <u>Proposed Solution:</u></p> <p>a. Replace USN Change Proposal MIL02-N01 with this revised CP.</p> <p>b. Page 18, Table I, Frame shapes depicting affiliations and battle dimensions: strike out "Joker" and "Faker" and associated symbols.</p>			

c. After page 18, insert new Table IA, Frame shapes depicting "Exercise Amplifying Descriptor" and battle dimensions. This table is the same as Table I but with exercise amplifying descriptor data items, as depicted in attachment (A).

d. Page 19.

(1) Paragraph 5.3.1.1, lines 8 and 9, strike out the sentence, "The letter J or K in field E of a "friend frame" is used to accommodate special exercise requirements and shall identify the symbol as joker or faker."

(2) Insert new paragraph 5.3.1.2, *Exercise Modifying Descriptor. Exercise modifying descriptor is used in place of an Affiliation when units/systems/platforms are conducting exercises. The basic exercise modifying descriptors are exercise pending, exercise unknown, exercise friend, exercise neutral, exercise assumed friend, Joker and Faker. Since only one of the E/F/ED field positions may be displayed at any one time and to assure unique symbols, the following matrix exceptions apply: Battle Dimension: "Unknown"; Exercise Modifying Descriptor: Exercise Pending or Exercise Unknown field ED shall display an "O".*

(3) Renumber subsequent paragraph numbers.

e. Page 21.

(1) Figure 3, Field Positions for tactical symbols. Add a new field ID "**ED**" to fields E/F for "Exercise Amplifying Descriptor" as described in attachment (B).

(2) Table III, Modifier field definitions and maximum display lengths for tactical symbols, Field Title column, Field 'E', change to read, "Frame Shape Modifier ("U", "?", "~~J~~" and "~~K~~")".

(3) Table III, insert new Field ID "**ED**" between Field ID "E" and "F":

FIELD ID	FIELD TITLE	DESCRIPTION	U	E	I	SI	M
ED	<i>Exercise Amplifying Descriptors ("O", "G", "W", "D", "L", "K", "M", and "J")</i>	<i>Exercise Amplifying Descriptors are used in place of an Affiliation when units/systems/platforms are conducting exercises.</i>	G	G	G	-	G

f. Page 40, Table XII, Default colors for symbology, Description column title, change to read, "**DESCRIPTION (For Exercise purposes (Exercise Amplifying Descriptor, field ED is used), the color remains the same.)**".

g. Page 48, Table A-I, Symbol ID Code positions and categories.

- (1) Affiliation (1), (Position 2) column. Strike out "J - JOKER", "K - FAKER". "O – NONE SPECIFIED" has been deleted by SSMC CP MIL 00-01A.
- (2) Add a new box called, ***EXERCISE AMPLIFYING DESCRIPTORS (1) (POSITION 2)***, as depicted in attachment (C).

h. Page 260, Appendix B, Table B-I, Symbol ID code positions and categories.

- (1) Affiliation (1), (Position 2) column. Strike out "J - JOKER", "K - FAKER". "O – NONE SPECIFIED" has been deleted by SSMC CP MIL 00-01A.
- (2) Similar as depicted in comment 3.g., add a new box called, ***EXERCISE AMPLIFYING DESCRIPTORS (1) (POSITION 2)***, as depicted in attachment (A).

i. Page 482, Appendix D, Table D-I, Symbol ID code positions and categories.

- (1) Affiliation (1), (Position 2) column. Strike out "J - JOKER", "K - FAKER". "O – NONE SPECIFIED" has been deleted by SSMC CP MIL 00-01A.
- (2) Similar as depicted in comment 3.g., add a new box called, ***EXERCISE AMPLIFYING DESCRIPTORS (1) (POSITION 2)***, as depicted in attachment (A).

j. Page 516, Appendix E, Table E-I, Symbol ID code positions and categories.

- (1) Affiliation (1), (Position 2) column. Strike out "J - JOKER", "K - FAKER". "O – NONE SPECIFIED" has been deleted by SSMC CP MIL 00-01A.
- (2) Similar as depicted in comment 3.g., add a new box called, ***EXERCISE AMPLIFYING DESCRIPTORS (1) (POSITION 2)***, as depicted in attachment (A).

4. **Alternate Solutions:** None.

5. **Affected Documentation:** MIL-STD-2525B

6. **Impact on other Standards:**

- a. VMF TIDP-TE
- b. MIL-STD-6040

7. **Incorporation Date:** 1 January 2003

8. **Other Considerations:** None.

9. References:

- a. MIL-STD-6016
- b. STANAG 1241, NATO Standard Identity Description Structure for Tactical Use
- c. VMF TIDP-TE (Reissue 5)
- d. MIL-STD-6040
- e. STANAG 2019, Military Symbols for Land Based Systems

10. Attachments:

- A. TABLE IA. Frame shapes depicting exercise amplifying descriptors and battle dimensions.
- B. TABLE A-1, Symbol ID code positions and categories.
- C. FIGURE 3. Field positions for tactical symbols.

DECISION NOTICE

Approved as modified at SSMC 2-03.



























































In Table I, page 18, strike out rows Joker and Faker.

Insert second Table I(a), as shown in Attachment A, but Field E of each symbol will show an "X" in place of the proposed Field E markings. Exceptions are Assumed Friend, which will show "X?"; and Joker and Faker will show a "J" and "K", respectively.

New modifier field "ED" will NOT be added to Figure 3 or Table III. Field E is sufficient for these graphic frame modifiers.

Merge new exercise amplifying descriptor codes (from Attachment B) to Tables A-I, B-I, D-I, and E-I in the Affiliation position under "Hostile". Name column header "AFFILIATION / EXERCISE AMPLIFYING DESCRIPTOR (1)".

TABLE IA. Frame shapes depicting exercise amplifying descriptors and battle dimensions.

BATTLE DIMENSION	Unknown (Z)	ABOVE SURFACE		SURFACE				Sub- surface (U)	SEOF (F)
		Space (P)	Air (A)	Ground(G)			Sea Surface (S)		
				Units	Equip- ment	Instal- lation			
EXERCISE AMPLIFYING DESCRIPTOR									
EXERCISE PENDING (G) (YELLOW)	 O	 G	 G	 G	 G	 G	 G	 G	 G
EXERCISE UNKNOWN (W) (YELLOW)	 O	 W	 W	 W	 W	 W	 W	 W	 W
EXERCISE FRIEND (D) (CYAN)	N/A	 D	 D	 D	 D	 D	 D	 D	 D
EXERCISE NEUTRAL (L) GREEN	N/A	 L	 L	 L	 L	 L	 L	 L	 L
EXERCISE ASSUMED FRIEND (M) (CYAN)	N/A	 M	 M	 M	 M	 M	 M	 M	 M
JOKER (J) (RED)	N/A	 J	 J	 J	 J	 J	 J	 J	 J
FAKER (K) (RED)	N/A	 K	 K	 K	 K	 K	 K	 K	 K

Note: Frames displayed with solid lines, as shown above, indicate status as present, i.e., the object exists at the location identified. See table II for examples of frames depicting planned or anticipated status.

TABLE A-I, Symbol ID code positions and categories.

CODING SCHEME (1) (POSITION 1)	AFFILIATION (1) (POSITION 2)	*EXERCISE AMPLIFYING DESCRIPTOR (1) POSITION (2)	BATTLE DIMENSION (1) (POSITION 3)	STATUS (1) (POSITION 4)
S - WARFIGHTING G - TACTICAL GRAPHICS W - METOC I - INTELLIGENCE M - MAPPING (reserved - under development) O - Military Operations Other Than War (MOOTW)	P - PENDING U - UNKNOWN A - ASSUMED FRIEND F - FRIEND N - NEUTRAL S - SUSPECT H - HOSTILE J - JOKER K - FAKER Q - NONE SPECIFIED	G - EXERCISE PENDING <i>(O - for Battle Dimension Unknown)</i> W - EXERCISE UNKNOWN <i>(O - for Battle Dimension Unknown)</i> M - EXERCISE ASSUMED FRIEND D - EXERCISE FRIEND L - EXERCISE NEUTRAL J - JOKER K - FAKER	P - SPACE A - AIR G - GROUND S - SEA SURFACE U - SEA SUBSURFACE F - SOF X - OTHER Z - UNKNOWN	A - ANTICIPATED /PLANNED P - PRESENT
FUNCTION ID (6) (POSITION 5 - 10)	SYMBOL MODIFIER (2) (POSITION 11, 12)	COUNTRY CODE (2) (POSITION 13, 14)	ORDER OF BATTLE (1) (POSITION 15)	
See tables A-III through A-IX for specific values.	See table A-II for specific values.	See FIPS Pub series 10.	A - AIR OB E - ELECTRONIC OB C - CIVILIAN OB G - GROUND OB N - MARITIME OB S - STRATEGIC FORCE RELATED	

*** Affiliation and Exercise Amplifying Descriptor columns are mutually exclusive when defining a symbol.**

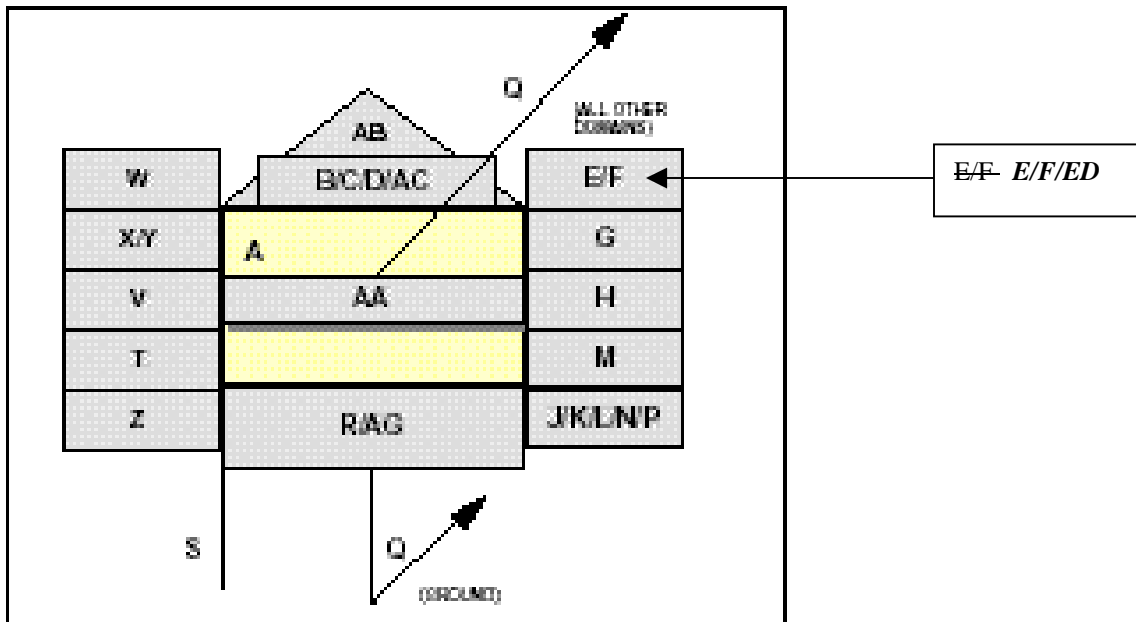


FIGURE 3. Field positions for tactical symbols.